RAW SEQUENCE LISTING   DATE: 09/17/2004
PATENT APPLICATION: **US/10/696,452**   TIME: 09:00:59

Input Set : **N:\Crf3\RULE60\10696452.raw.txt**
Output Set: **N:\CRF4\09172004\J696452.raw**

SEQUENCE LISTING

```
 1 (1)  GENERAL INFORMATION:
 2       (i)  APPLICANT: Sapolsky, Ronald
 3                       Lipshutz, Robert J.
 4                       Gingeras, Thomas R.
 5      (ii)  TITLE OF INVENTION: Capturing Sequences Adjacent to
 6                       Type-IIS Restriction Sites for Genomic Library Mapping
 7     (iii)  NUMBER OF SEQUENCES: 17
 8      (iv)  CORRESPONDENCE ADDRESS:
 9            (A)  ADDRESSEE: Townsend and Townsend and Crew
10            (B)  STREET: One Market Plaza, Steuart Tower, Suite 2000
11            (C)  CITY: San Francisco
12            (D)  STATE: California
13            (E)  COUNTRY: USA
14            (F)  ZIP: 94105
15       (v)  COMPUTER READABLE FORM:
16            (A)  MEDIUM TYPE: Floppy disk
17            (B)  COMPUTER: IBM PC compatible
18            (C)  OPERATING SYSTEM: PC-DOS/MS-DOS
19            (D)  SOFTWARE: PatentIn Release #1.0, Version #1.25
20      (vi)  CURRENT APPLICATION DATA:
C--> 21            (A)  APPLICATION NUMBER: US/10/696,452
C--> 22            (B)  FILING DATE: 29-Oct-2003
23            (C)  CLASSIFICATION:
24     (vii)  PRIOR APPLICATION DATA:
W--> 25            (A)  APPLICATION NUMBER: US/09/412,246
26            (B)  FILING DATE: 05-Oct-1999
W--> 27            (A)  APPLICATION NUMBER: 08/485,606
28            (B)  FILING DATE:
29    (viii)  ATTORNEY/AGENT INFORMATION:
30            (A)  NAME: Norviel, Vernon A.
31            (B)  REGISTRATION NUMBER: 32,483
32            (C)  REFERENCE/DOCKET NUMBER: 16528X-011810
33      (ix)  TELECOMMUNICATION INFORMATION:
34            (A)  TELEPHONE: 415-326-2400
35            (B)  TELEFAX: 415-326-2422
36 (2)  INFORMATION FOR SEQ ID NO: 1:
37       (i)  SEQUENCE CHARACTERISTICS:
38            (A)  LENGTH: 15 base pairs
39            (B)  TYPE: nucleic acid
40            (C)  STRANDEDNESS: single
41            (D)  TOPOLOGY: linear
W--> 42      (ii)  MOLECULE TYPE: DNA (probe)
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/696,452

DATE: 09/17/2004
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Output Set: N:\CRF4\09172004\J696452.raw

```
 43      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 44           CTCTTCTTAA GCGTC                                          15
 46  (2) INFORMATION FOR SEQ ID NO: 2:
 47       (i) SEQUENCE CHARACTERISTICS:
 48           (A) LENGTH: 11 base pairs
 49           (B) TYPE: nucleic acid
 50           (C) STRANDEDNESS: double
 51           (D) TOPOLOGY: linear
W--> 52      (ii) MOLECULE TYPE: DNA (oligonuceotide)
 53      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 54           CTCTTCNNNN N                                              11
 56  (2) INFORMATION FOR SEQ ID NO: 3:
 57       (i) SEQUENCE CHARACTERISTICS:
 58           (A) LENGTH: 11 base pairs
 59           (B) TYPE: nucleic acid
 60           (C) STRANDEDNESS: single
 61           (D) TOPOLOGY: linear
W--> 62      (ii) MOLECULE TYPE: DNA (probe)
 63      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 64           NNNNNGAAGA G                                              11
 66  (2) INFORMATION FOR SEQ ID NO: 4:
 67       (i) SEQUENCE CHARACTERISTICS:
 68           (A) LENGTH: 15 base pairs
 69           (B) TYPE: nucleic acid
 70           (C) STRANDEDNESS: single
 71           (D) TOPOLOGY: linear
W--> 72      (ii) MOLECULE TYPE: DNA (probe)
 73      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
 74           CTGCGNNNNC TTCTC                                          15
 76  (2) INFORMATION FOR SEQ ID NO: 5:
 77       (i) SEQUENCE CHARACTERISTICS:
 78           (A) LENGTH: 15 base pairs
 79           (B) TYPE: nucleic acid
 80           (C) STRANDEDNESS: double
 81           (D) TOPOLOGY: linear
W--> 82      (ii) MOLECULE TYPE: DNA (oligonuceotide)
 83      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
 84           CTCTTCNNNN GCGTC                                          15
 86  (2) INFORMATION FOR SEQ ID NO: 6:
 87       (i) SEQUENCE CHARACTERISTICS:
 88           (A) LENGTH: 15 base pairs
 89           (B) TYPE: nucleic acid
 90           (C) STRANDEDNESS: single
 91           (D) TOPOLOGY: linear
W--> 92      (ii) MOLECULE TYPE: DNA (probe)
 93      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
 94           GACGCNNNNG AAGAG                                          15
 96  (2) INFORMATION FOR SEQ ID NO: 7:
 97       (i) SEQUENCE CHARACTERISTICS:
```

RAW SEQUENCE LISTING   DATE: 09/17/2004
PATENT APPLICATION: US/10/696,452   TIME: 09:00:59

          Input Set : N:\Crf3\RULE60\10696452.raw.txt
          Output Set: N:\CRF4\09172004\J696452.raw

```
   98          (A) LENGTH: 10 base pairs
   99          (B) TYPE: nucleic acid
  100          (C) STRANDEDNESS: single
  101          (D) TOPOLOGY: linear
W--> 102     (ii) MOLECULE TYPE: DNA (probe)
  103     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
  104       GACGCNNNNG                                             10
  106 (2) INFORMATION FOR SEQ ID NO: 8:
  107     (i) SEQUENCE CHARACTERISTICS:
  108          (A) LENGTH: 15 base pairs
  109          (B) TYPE: nucleic acid
  110          (C) STRANDEDNESS: single
  111          (D) TOPOLOGY: linear
W--> 112     (ii) MOLECULE TYPE: DNA (probe)
  113     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
  114       GACGCNNNNG AAGAG                                       15
  116 (2) INFORMATION FOR SEQ ID NO: 9:
  117     (i) SEQUENCE CHARACTERISTICS:
  118          (A) LENGTH: 10 base pairs
  119          (B) TYPE: nucleic acid
  120          (C) STRANDEDNESS: single
  121          (D) TOPOLOGY: linear
W--> 122     (ii) MOLECULE TYPE: DNA (probe)
  123     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
  124       CTCTTCNNNN                                             10
  126 (2) INFORMATION FOR SEQ ID NO: 10:
  127     (i) SEQUENCE CHARACTERISTICS:
  128          (A) LENGTH: 10 base pairs
  129          (B) TYPE: nucleic acid
  130          (C) STRANDEDNESS: single
  131          (D) TOPOLOGY: linear
W--> 132     (ii) MOLECULE TYPE: DNA (probe)
  133     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
  134       NNNNGAAGAG                                             10
  136 (2) INFORMATION FOR SEQ ID NO: 11:
  137     (i) SEQUENCE CHARACTERISTICS:
  138          (A) LENGTH: 14 base pairs
  139          (B) TYPE: nucleic acid
  140          (C) STRANDEDNESS: single
  141          (D) TOPOLOGY: linear
W--> 142     (ii) MOLECULE TYPE: DNA (probe)
  143     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
  144       GAGGAGNNNN NNNN                                        14
  146 (2) INFORMATION FOR SEQ ID NO: 12:
  147     (i) SEQUENCE CHARACTERISTICS:
  148          (A) LENGTH: 14 base pairs
  149          (B) TYPE: nucleic acid
  150          (C) STRANDEDNESS: single
  151          (D) TOPOLOGY: linear
```

RAW SEQUENCE LISTING   DATE: 09/17/2004
PATENT APPLICATION: US/10/696,452   TIME: 09:00:59

Input Set : N:\Crf3\RULE60\10696452.raw.txt
Output Set: N:\CRF4\09172004\J696452.raw

```
W--> 152        (ii) MOLECULE TYPE: DNA (probe)
     153        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
     154        NNNNNNNNC TCCTC
     156 (2) INFORMATION FOR SEQ ID NO: 13:                          14
     157        (i) SEQUENCE CHARACTERISTICS:
     158            (A) LENGTH: 19 base pairs
     159            (B) TYPE: nucleic acid
     160            (C) STRANDEDNESS: single
     161            (D) TOPOLOGY: linear
W--> 162        (ii) MOLECULE TYPE: DNA (probe)
     163        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
     164        GGATGNNNNN NNNCTCCTC
     166 (2) INFORMATION FOR SEQ ID NO: 14:                          19
     167        (i) SEQUENCE CHARACTERISTICS:
     168            (A) LENGTH: 19 base pairs
     169            (B) TYPE: nucleic acid
     170            (C) STRANDEDNESS: single
     171            (D) TOPOLOGY: linear
W--> 172        (ii) MOLECULE TYPE: DNA (probe)
     173        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
     174        GAGGAGNNNN NNNNCATCC
     176 (2) INFORMATION FOR SEQ ID NO: 15:                          19
     177        (i) SEQUENCE CHARACTERISTICS:
     178            (A) LENGTH: 18 base pairs
     179            (B) TYPE: nucleic acid
     180            (C) STRANDEDNESS: single
     181            (D) TOPOLOGY: linear
W--> 182        (ii) MOLECULE TYPE: DNA (probe)
     183        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
     184        AGGAGNNNNN NNNCATCC
     186 (2) INFORMATION FOR SEQ ID NO: 16:                          18
     187        (i) SEQUENCE CHARACTERISTICS:
     188            (A) LENGTH: 14 base pairs
     189            (B) TYPE: nucleic acid
     190            (C) STRANDEDNESS: single
     191            (D) TOPOLOGY: linear
W--> 192        (ii) MOLECULE TYPE: DNA (probe)
     193        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
     194        GGATGNNNNN NNNC
     196 (2) INFORMATION FOR SEQ ID NO: 17:                          14
     197        (i) SEQUENCE CHARACTERISTICS:
     198            (A) LENGTH: 18 base pairs
     199            (B) TYPE: nucleic acid
     200            (C) STRANDEDNESS: single
     201            (D) TOPOLOGY: linear
W--> 202        (ii) MOLECULE TYPE: DNA (probe)
     203        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
     204        GGATGNNNNN NNNCTCCT
                                                                     18
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/17/2004
PATENT APPLICATION: US/10/696,452   TIME: 09:01:00

Input Set : N:\Crf3\RULE60\10696452.raw.txt
Output Set: N:\CRF4\09172004\J696452.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6
Seq#:11; Line(s) 144
Seq#:12; Line(s) 154
Seq#:13; Line(s) 164
Seq#:14; Line(s) 174
Seq#:15; Line(s) 184
Seq#:16; Line(s) 194
Seq#:17; Line(s) 204

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/696,452**   DATE: 09/17/2004
                                                TIME: 09:01:00

Input Set : **N:\Crf3\RULE60\10696452.raw.txt**
Output Set: **N:\CRF4\09172004\J696452.raw**

L:21 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:22 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:27 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1)(vii)
L:42 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=1
L:52 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=2
L:62 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=3
L:72 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=4
L:82 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=5
L:92 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6
L:102 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=7
L:112 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=8
L:122 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=9
L:132 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=10
L:142 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=11
L:152 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=12
L:162 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=13
L:172 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=14
L:182 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=15
L:192 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=16
L:202 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=17